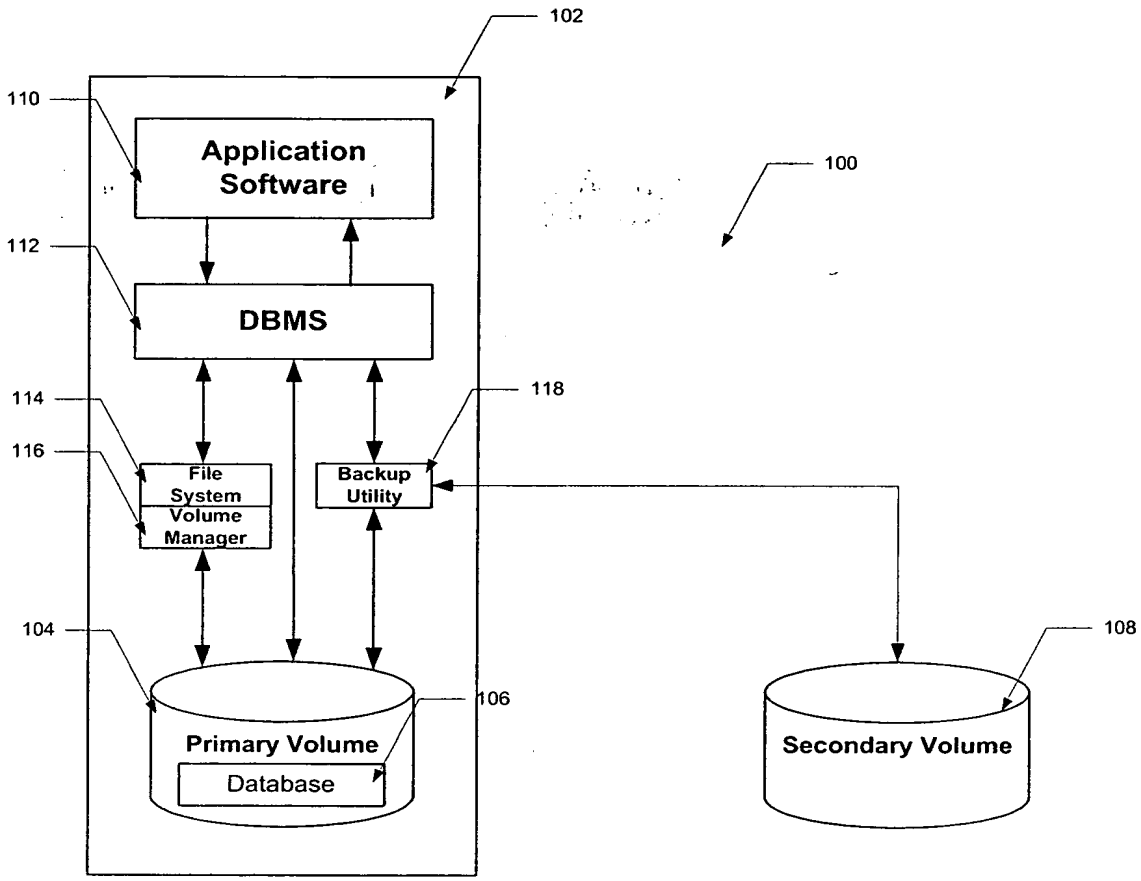

FIG. 1
Prior Art

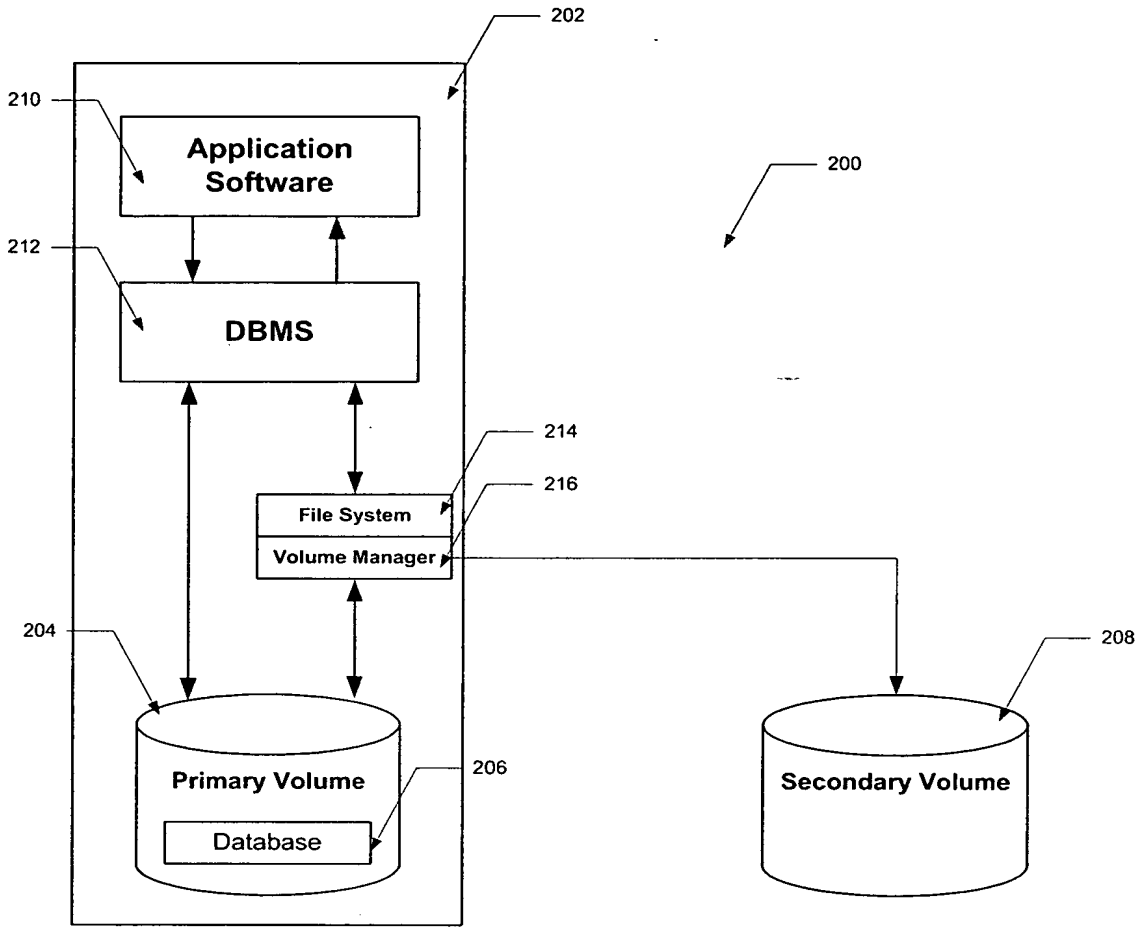

FIG. 2
Prior Art

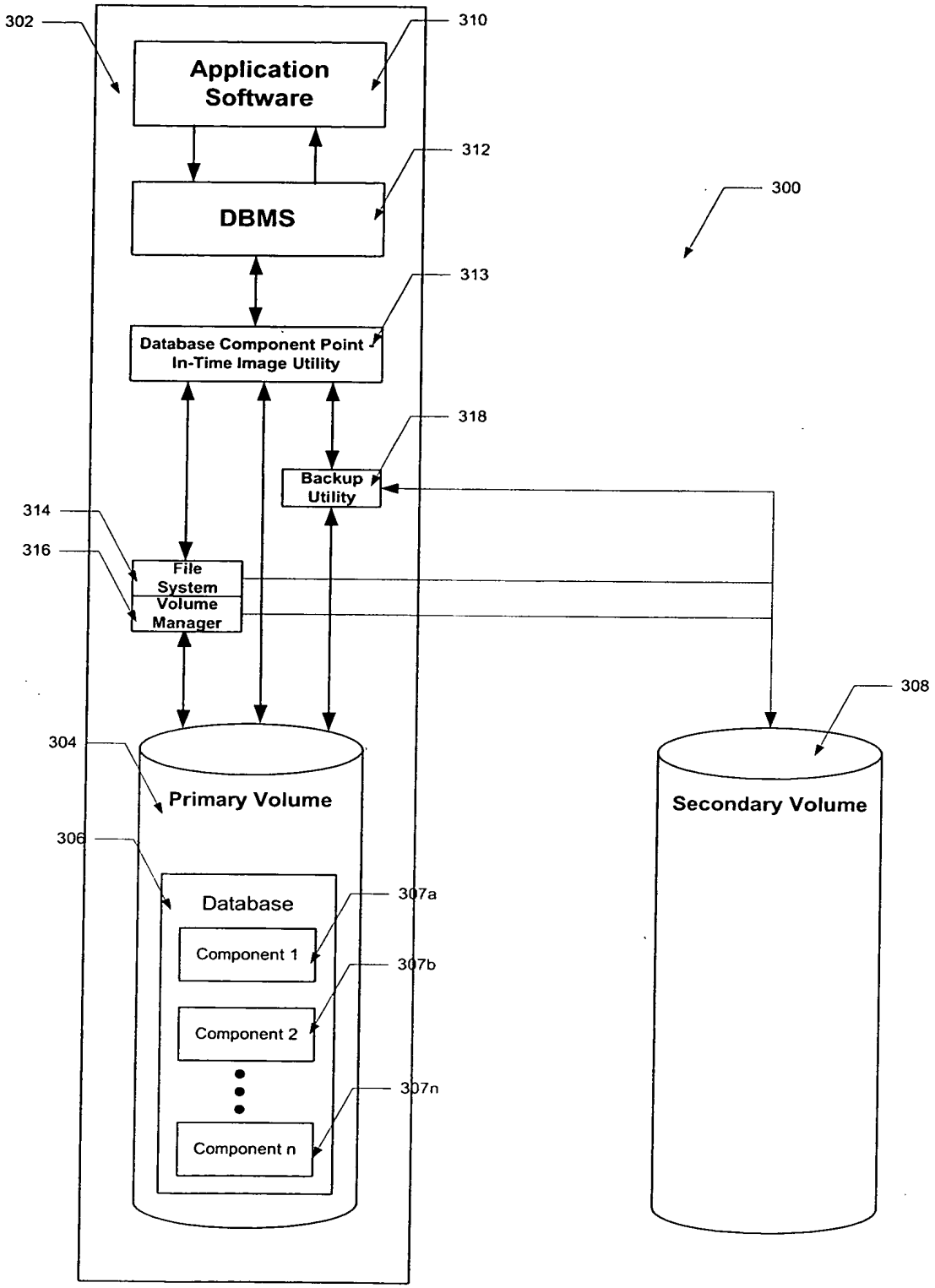
302
310
Application Software
312
DBMS
300
313
Database Component Point In-Time Image Utility
318
Backup Utility
314
316
File System
Volume Manager
308
304
Primary Volume
Secondary Volume
306
Database
307a
Component 1
307b
Component 2
307n
Component n

FIG. 3

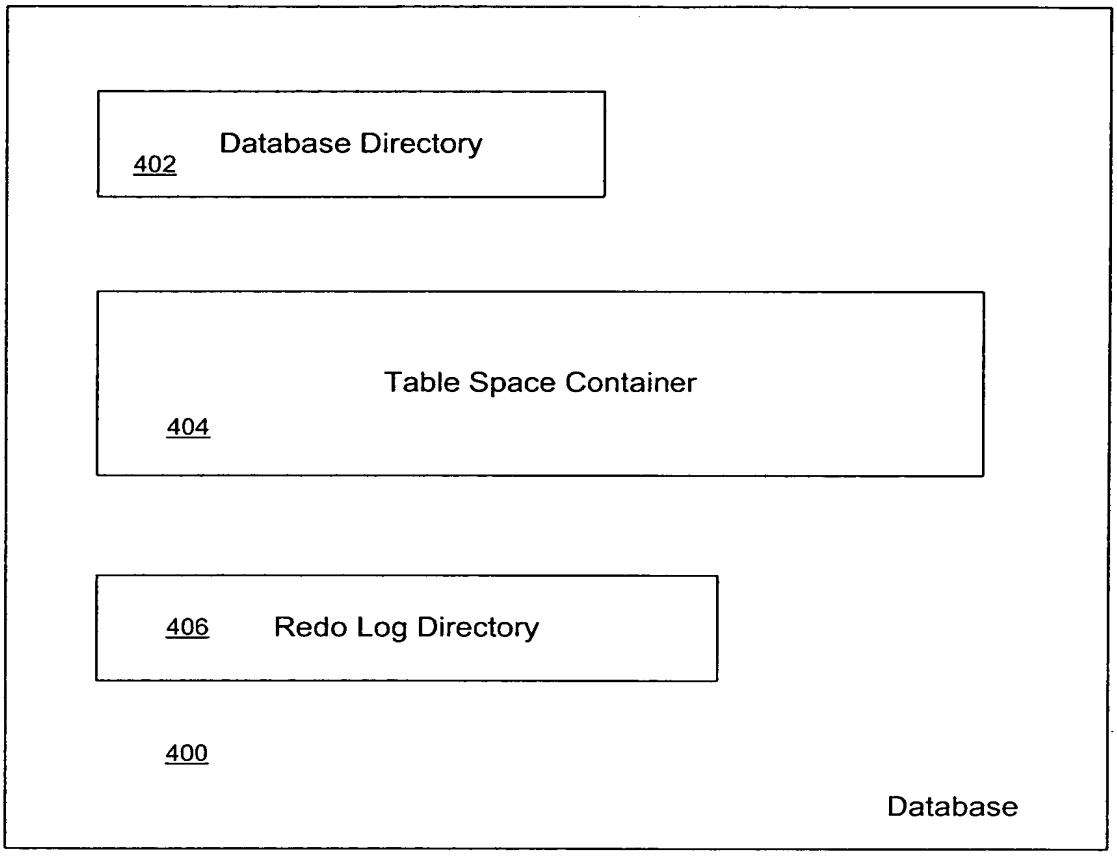
Database Directory
402
Table Space Container
404
406
Redo Log Directory
400
Database

FIG. 4

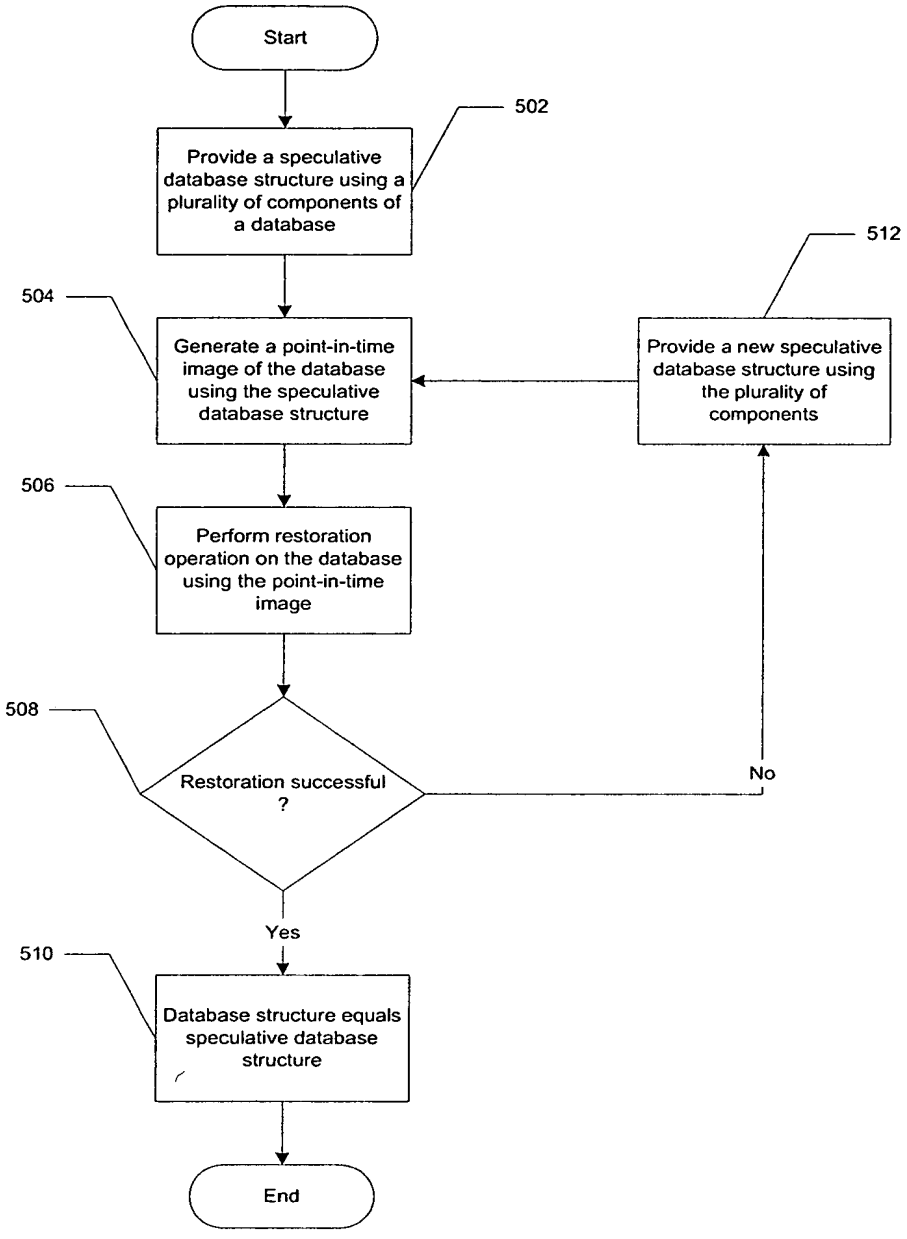
Start
502
Provide a speculative database structure using a plurality of components of a database
512
504
Generate a point-in-time image of the database using the speculative database structure
Provide a new speculative database structure using the plurality of components
506
Perform restoration operation on the database using the point-in-time image
508
Restoration successful ?
No
Yes
510
Database structure equals speculative database structure
End

FIG. 5

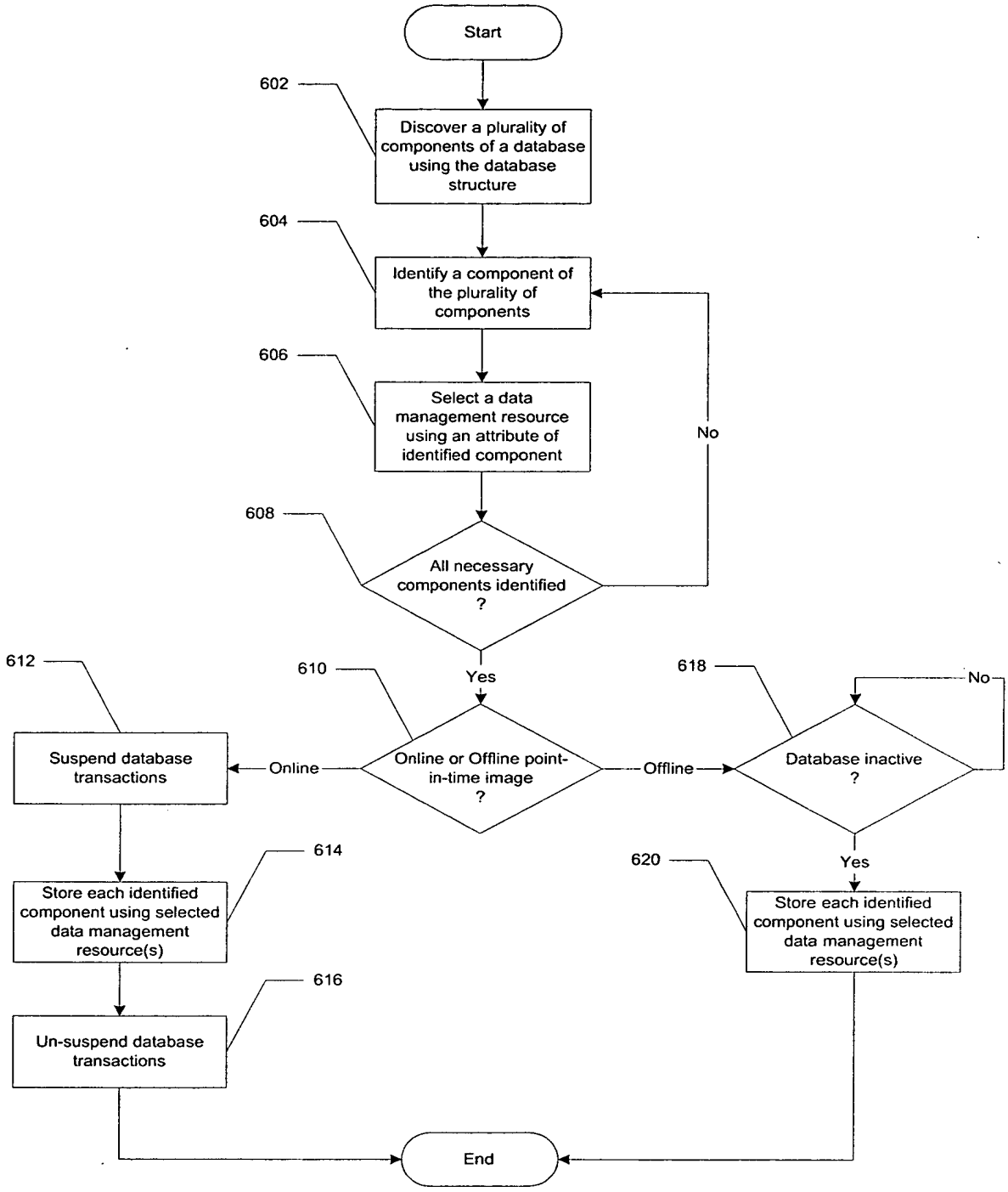
Start
602
Discover a plurality of components of a database using the database structure
604
Identify a component of the plurality of components
606
Select a data management resource using an attribute of identified component
608
All necessary components identified ?
No
Yes
610
Online or Offline point-in-time image ?
Online
Offline
612
Suspend database transactions
614
Store each identified component using selected data management resource(s)
616
Un-suspend database transactions
618
Database inactive ?
No
Yes
620
Store each identified component using selected data management resource(s)
End

FIG. 6

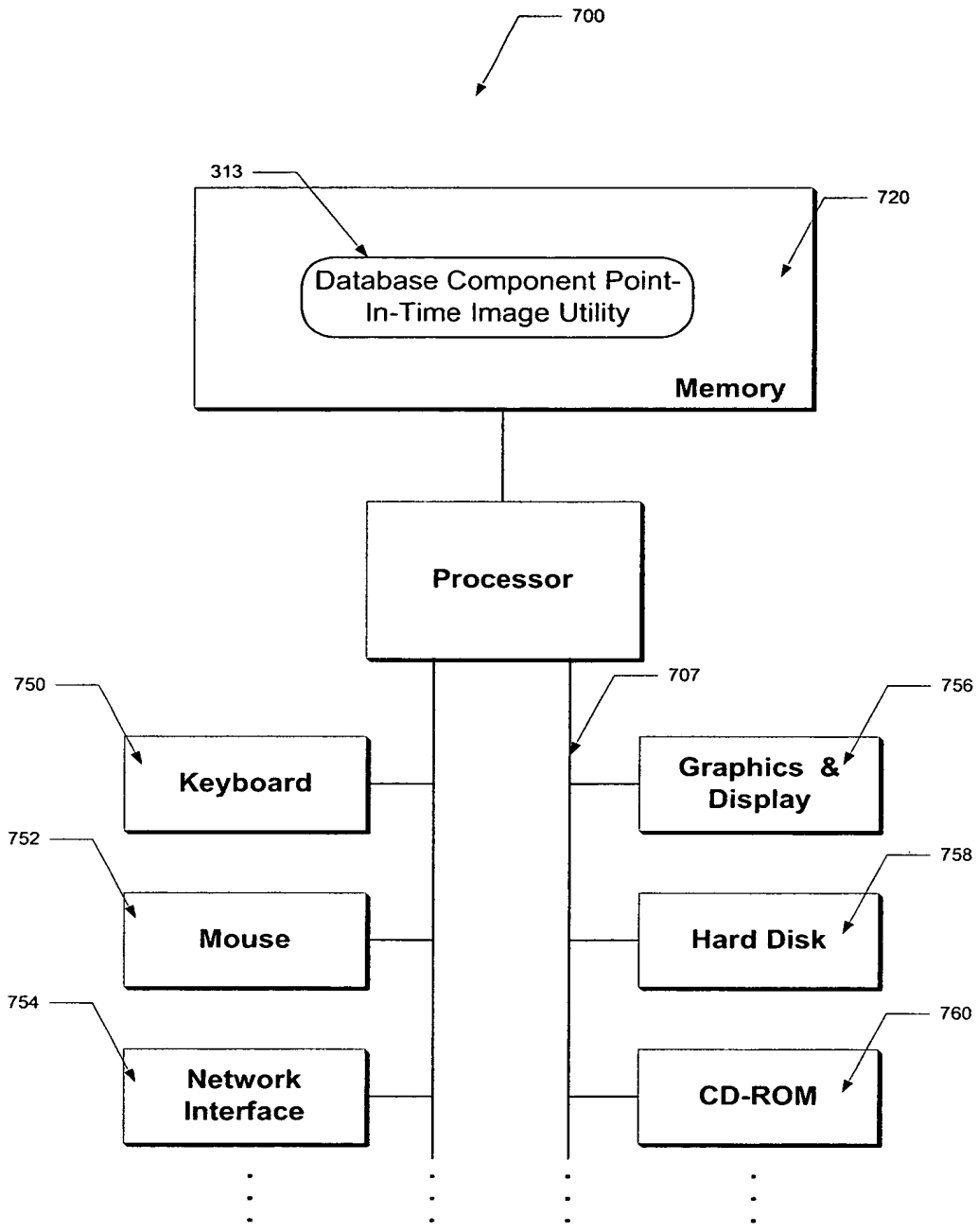
700
313
720
Database Component Point-In-Time Image Utility
Memory
Processor
750
707
756
Keyboard
Graphics & Display
752
758
Mouse
Hard Disk
754
760
Network Interface
CD-ROM

FIG. 7